

Converting Colors

YIQ(47.8700, 43.0900, 45.0900)

Have a look what the booklet for
YIQ(47.8700, 43.0900, 45.0900)
contains.

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Color

**YIQ(47.8700, 43.0900,
45.0900)**

Conversions

Conversions Part 1

Format	Color
Hex	75074D
RGB	117, 7, 77
RGB Percent	46%, 3%, 30%
CMY	0.5409, 0.9727, 0.6979
CMYK	0.00, 0.94, 0.34, 0.54
HSL	322°, 89%, 24%
HSV	322°, 94%, 46%
XYZ	8.7627, 4.4745, 7.4285
YIQ	47.8700, 43.0900, 45.0900

Conversions

Conversions Part 2

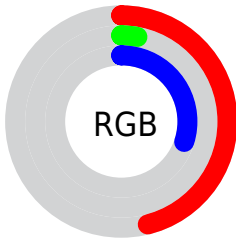
Format	Color
RYB	117, 7, 77
Decimal	7669581
CIELab	25.18, 48.37, -10.72
CIElCh	25, 49.541, 347.504
Yxy	4.4745, 0.4240, 0.2165
Android (android.graphics.Color)	4285859661 (0xFF75074D)
YUV	47.8700, 14.3611, 60.6270
Hunter-Lab	21.1530, 36.9261, -6.0143

Details

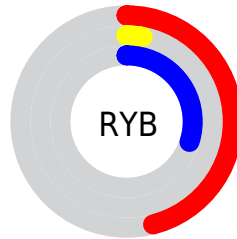
The YIQ color **47.8700, 43.0900, 45.0900** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **76.1300, -43.0900, -45.0900**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **106.5940, 43.6870, 39.7750**, and **22.8980, 27.5510, 23.8310** is the 20% darker color. If you saturate the color by 10%, you get **43.4190, 45.9780, 47.8180**, and if you desaturate by 10%, it is **55.3700, 38.5060, 40.0580**.

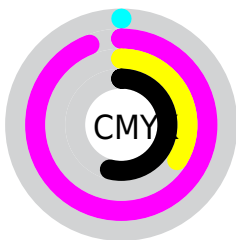
Distribution



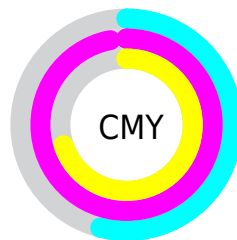
- Red (46%)
- Green (3%)
- Blue (30%)



- Red (46%)
- Yellow (3%)
- Blue (30%)



- Cyan (0%)
- Magenta (94%)
- Yellow (34%)
- Black (54%)



- Cyan (54%)
- Magenta (97%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 47.8700, 43.0900, 45.0900 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 47.8700, 43.0900, 45.0900 by changing the saturation by 10% instead.

47.8700, 43.0900,
45.0900

47.8700, 43.0900,
45.0900

255.0000, -0.0000,
-0.0000

33.0660, 36.3060,
35.8740

106.5940, 43.6870,
39.7750

22.8980, 27.5510,
23.8310

134.0780, 45.2000,
39.8880

12.7580, 21.5930,
10.6570

161.6760, 46.3920,
40.3120

0.0000, 0.0000,
0.0000


187.7790, 44.6040,
39.6760

207.4070, 27.9160,
33.7400


226.2370, 13.4750,


25.6270


 243.2600, 5.5000,
10.4600


 47.8700, 43.0900,
45.0900


 47.8700, 43.0900,
45.0900


 43.4190, 45.9780,
47.8180

 55.3700, 38.5060,
40.0580

 62.3970, 33.8760,
35.8600

 69.8970, 29.2920,
30.8280

 77.3970, 24.7080,
25.7960

 84.8970, 20.1240,
20.7640

■ 91.9240, 15.4940,
16.5660

■ 99.4240, 10.9100,
11.5340

■ 106.9240, 6.3260,
6.5020

■ 113.8370, 2.0170,
1.9930

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.3860, 6.0460, 33.6140



47.8700, 43.0900, 45.0900



43.6850, 59.3680, 36.4240

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.8700, 43.0900, 45.0900



54.3010, 14.3090, -22.5470



56.5480, -57.2650, -2.9370

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.8700, 43.0900, 45.0900



76.1300, -43.0900, -45.0900

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.2590, -46.6260, -14.0340



47.8700, 43.0900, 45.0900



41.6770, -19.5250, -37.1330

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.8700, 43.0900, 45.0900



56.5370, 37.5520, -8.7520



48.2260, -33.8320, -25.6400



55.7790, -61.9890, 5.5870

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.8700, 43.0900, 45.0900



50.8950, 57.9960, 17.2280



48.2260, -33.8320, -25.6400



55.9950, -54.3300, -6.5700

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.8700, 43.0900, 45.0900



125.9350, 16.9610, 17.5130



31.2010, -12.0660, 42.4780



60.0110, 10.6350, 11.0110



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.8700, 43.0900, 45.0900



56.8050, 60.0510, 62.6030



41.7140, 60.4240, 28.2960



55.2500, 2.2920, 2.5160



45.3700, 47.6740, 50.1220



92.8760, 97.9610, 102.4490

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.8700, 43.0900, 45.0900



56.8050, 60.0510, 62.6030



82.2860, -60.4240, -28.2960



55.2500, 2.2920, 2.5160



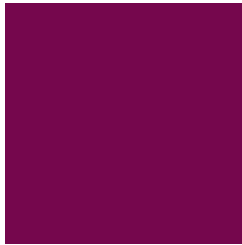
45.3700, 47.6740, 50.1220



92.8760, 97.9610, 102.4490

Previews

White Background



This preview shows how the YIQ color 47.8700, 43.0900, 45.0900 looks on a white background.

Color Contrast Check

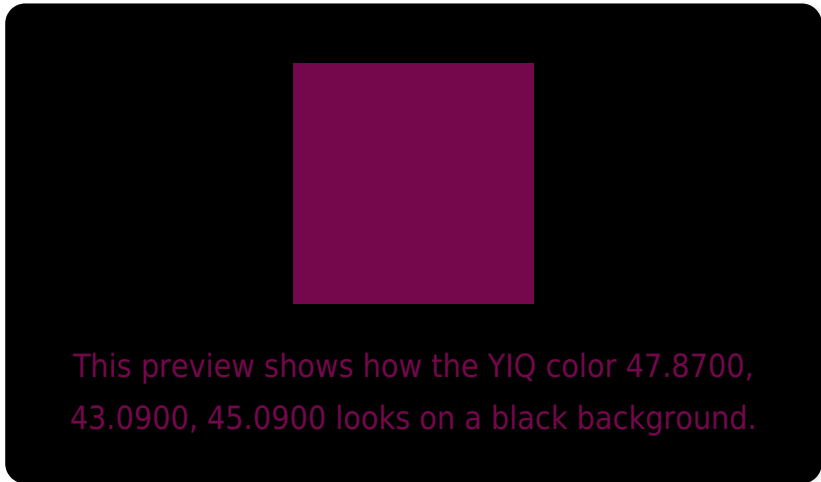
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

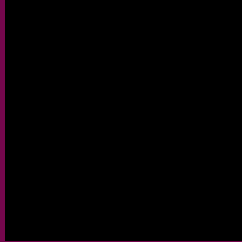
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 47.8700, 43.0900, 45.0900

Background



This preview shows how black text looks on a background with the YIQ color 47.8700, 43.0900, 45.0900.



This preview shows how white text looks on a background with the YIQ color 47.8700, 43.0900,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.8700, 43.0900, 45.0900

Protanopia

60.6060, -27.6490, 10.9990

Deuteranopia

63.1510, -1.7430, 4.0570



Tritanopia

55.9310, 49.1470, 17.9070

Trichromacy



Original Color

47.8700, 43.0900, 45.0900

Protanomaly

55.8700, -1.6090, 23.6630

Deuteranomaly

57.3200, 14.4390, 19.1670

Tritanomaly

52.7710, 47.0820, 27.8020

Monochromacy



Original Color

47.8700, 43.0900, 45.0900

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

47.9240, 15.4940, 16.5660

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.8700, 43.0900, 45.0900 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(117, 7, 77)` looks like.

```
.text, #text, p{  
    color:rgb(117, 7, 77)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(117, 7, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 7, 77) }
```

Border

The CSS property to change the border of an element to YIQ 47.8700, 43.0900, 45.0900 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 7, 77) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(117, 7, 77) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(117, 7, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 7, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 7, 77);  
box-shadow:4px 4px 4px 4px rgb(117, 7, 77)  
}
```

Background

The CSS property to change the background color of an element to YIQ 47.8700, 43.0900, 45.0900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 7, 77) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(117, 7,  
77) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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